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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/550,738	09/26/2005	Hiroatsu Endo	10517/299	8333
23838 7590 02/03/2009 KENYON & KENYON LLP 1500 K STREET N.W.			EXAMINER	
			COOLMAN, VAUGHN	
SUITE 700 WASHINGTON, DC 20005			ART UNIT	PAPER NUMBER
			3618	
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			02/03/2009	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

# Application No. Applicant(s) 10/550,738 ENDO, HIROATSU Office Action Summary Examiner Art Unit VAUGHN T. COOLMAN 3618 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS. WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status 1) Responsive to communication(s) filed on 26 September 2005. 2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 1-9 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) \_\_\_\_\_ is/are allowed. 6) Claim(s) 1-9 is/are rejected. 7) Claim(s) \_\_\_\_\_ is/are objected to. 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement. Application Papers 9) The specification is objected to by the Examiner. 10) ☐ The drawing(s) filed on 26 September 2005 is/are: a) ☐ accepted or b) ☐ objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some \* c) None of: Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). \* See the attached detailed Office action for a list of the certified copies not received.

1) Notice of References Cited (PTO-892)

Paper No(s)/Mail Date 20050926.

2) Notice of Draftsperson's Patent Drawing Review (PTO-948)

Attachment(s)

Interview Summary (PTO-413)
Paper No(s)/Mail Date.

6) Other:

Notice of Informal Patent Application

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#### DETAILED ACTION

### Claim Objections

Claim 5 is objected to because of the following informalities: "amount" is misspelled in line 15; lines 6-7 are phrased in a confusing manner "a rotational speed of the motor of a predetermined rotational speed". Appropriate correction is required.

Claim 6 is objected to because of the following informalities: "out put" is misspelled in line 11. Appropriate correction is required.

# Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 1-9 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 1 recites the limitation "output torque" in line 11. There is insufficient antecedent basis for this limitation in the claim

Claim 2 recites the limitation "predetermined torque" in line 5. There is insufficient antecedent basis for this limitation in the claim

Claim 3 recites the limitation "the initial output torque" in lines 3-4. There is insufficient antecedent basis for this limitation in the claim.

Claim 4 recites the limitation "the output torque" in line 2. There is insufficient antecedent basis for this limitation in the claim.

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Claim 5 recites the limitation "output torque" in line 11. There is insufficient antecedent basis for this limitation in the claim.

Claim 6 recites the limitation "out put [sp] torque" in line 11. There is insufficient antecedent basis for this limitation in the claim.

Claim 7 recites the limitation "the initial output torque" in lines 4-5. There is insufficient antecedent basis for this limitation in the claim.

Claim 9 recites the limitation "output torque" in line 2. There is insufficient antecedent basis for this limitation in the claim.

The remaining claims are rejected as depending from a rejected base claim.

## Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1, 2 are rejected under 35 U.S.C. 102(b) as being anticipated by Tabata et al (U.S. Patent No. 5833570).

[claim 1] Tabata discloses a control apparatus for a drive apparatus of a hybrid vehicle, in which a motor (14) is connected to an output member (19) connected to a main power source (12) through a torque transmitting member (B2) whose torque capacity is changed according to an engagement control amount, comprising:

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Maintaining means (156) for maintaining a rotational speed of the motor at a predetermined rotational speed;

Changing means (146) for continuously changing the engagement control amount while the maintaining means maintains the rotational speed of the motor at the predetermined rotational speed (see FIG 19 between 'shift-up command' and 'initiation of inertia phase'); and

Learning means (160) capable of learning a relationship between output torque of the motor for maintaining the rotational speed of the motor at the predetermined rotational speed and the engagement control amount when the output torque of the motor reaches a predetermined value while the engagement control amount is changed.

[claim 2] Tabata further discloses Detecting means (motor ammeter 63) for detecting initial output torque of the motor (as it relates to the torque of the output shaft) while the engagement control amount is zero (as shown in FIG 19), and the predetermined value is set to a value obtained by adding predetermined torque to the initial output torque detected by the detecting means. In FIG 19, the initial motor torque must be known in order to follow the change in motor torque with respect to time. The predetermined torque is the motor torque value immediately prior to initiation of inertia phase, at the inflection point on the change of motor torque graph.

[claim 5] Examiner notes that the control method is inherent in the apparatus as rejected above in re-claim 1.

[claim 6] Examiner notes that the first through third control devices as claimed are disclosed by Tabata as follows: first device is item 56; second device is item 146; third device is item 160. The remaining claim limitations are rejected as above in re-claim 1.

### Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 or this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 4 and 9 are rejected under 35 U.S.C. 103(a) as being unpatentable over Tabata in view of Eguchi et al (U.S. Patent Application Publication No. US 2003/0109360 A1).

[claims 4 and 9] Tabata discloses all of the elements of the claimed invention as described above except for the time and place of the learning process of the engagement control amount and the output torque of the motor. Eguchi teaches the desirability of setting the engaging condition of a frictionally engaging element being changed to measure initial control value at the factory [paragraph 0011]. It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the apparatus shown by Tabata with the adjustment of the vehicle on a production line as taught by Eguchi in order to provide the advantage of improving the overall efficiency of the vehicle.

## Allowable Subject Matter

Claims 3 and 8 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

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#### Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Please see attached form PTO-892.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to VAUGHN T. COOLMAN whose telephone number is (571)272-6014. The examiner can normally be reached on Monday thru Friday. 8am-6pm EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Christopher Ellis can be reached on (571) 272-6914. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Christopher P Ellis/ Supervisory Patent Examiner, Art Unit 3618 VAUGHN T COOLMAN Examiner Art Unit 3618

/V. T. C./ Examiner, Art Unit 3618